

## **METHOD AND APPARATUS FOR IMAGE DEINTERLACING USING NEURAL NETWORKS**

### **ABSTRACT**

- 5        A method for interpolating an omitted scan line between two neighboring scan lines of an interlaced image includes detecting an edge direction of the image at a selected point on the omitted scan line, selecting a neural network based upon the detected edge direction, and using the neural network to provide an interpolated value for the selected point.